

Today's Topics:

Corrected CAT Interface for FT736R
Interception of E-Mail by spies
Meaningless information in QS0s?
new mailing list: HAM-UNIV
pudgy wound helical antenna (60m vertical in my living room!)
rec.radio.shortwave "invite"
RST

Date: 20 Dec 89 01:36:26 GMT

From: soleil!gopstein@rutgers.edu (Rich Gopstein)

Subject: Corrected CAT Interface for FT736R

Message-ID: <876@soleil.UUCP>

This is the picture of the 6-pin DIN connector (from the manual).
It represents the connector when viewed from the side that the
wires are soldered to.

```

  3 o      o 1
    6 o
  5 o      o 4
    o
    2
```

The manual gives the following INCORRECT list:

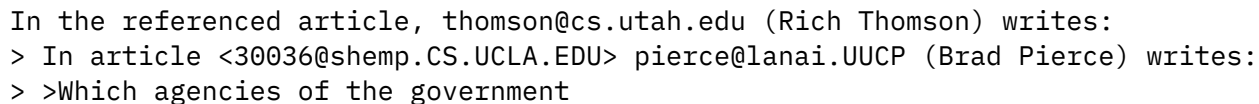
- 1 Gnd
- 2 S. Out
- 3 S. In
- 4 Busy
- 5 NC
- 6 13.8v

The correct pinout is:

- 1 Gnd
- 2 S. In
- 3 Busy
- 4 S. Out
- 5 NC
- 6 13.8v

"S. In" is the data from the computer to the radio, "S. Out"
is data from the radio.

The interface I used was:



> >have the right to classify different information as secret
> >and which have the right to review these decisions?
>
> I believe that the NSC has both the right to classify and declassify
> information, but I'm not sure about subordinate groups (FBI, CIA, etc).

Goodness, *lots* of government agencies have the ability to classify and declassify information. It's hardly an exclusive club. (Yes, there was an edict a few years back to reduce the number of people with this power, who are known as Authorized Classifiers or Authorized Derivative Classifiers, but it did not reduce the list of agencies so authorized.)

The list of agencies includes at least all of DOD (which is broken up into a lot of pieces and accounts for most of the total), DOE, Justice (FBI etc.), Treasury (Secret Service, remember), CIA, NSA, FEMA, NRC, probably HHS (liaison contingency plans with FEMA and DOD for nuclear war recovery and other disasters, and access to classified radiological health materials), possibly IRS, possibly Interior and/or Commerce (those contingency plans, again!), and undoubtedly others.

--
Michael C. Berch
mcb@presto.ig.com / uunet!presto.ig.com!mcb

Date: 19 Dec 89 03:18:05 GMT
From: yoda!ldg%byuvax.BITNET@jade.Berkeley.EDU
Subject: Meaningless information in QSOs?
Message-ID: <37ldg@yoda.byu.edu>

In <15.Dec.89.14:36:50.GMT.#2250@UK.AC.NWL.IA>, Pete Lucas writes:

>Heard during the Ten Meter Contest last weekend:

>>
>>N3xxx: "KH6xxx 59 Pennsylvania."
>>KH6xxx: "You're 59 Hawaii. QSL?"
>>N3xxx: "QSL. Thanks for Hawaii! How's my signal out there?"
>>
>> :-)

>
>Question: In the above exchange, does 'QSL?' mean 'I acknowledge receipt of
>your message' or 'I will send you a QSL card' ???
>

"QSL" can be a question or a promise. It's proper use is in code communications where a question mark removes any ambiguity. I suppose the inflection of the

voice in voice communications is supposed to take the place of the question mark, but during contests that isn't even needed since both guys know what to expect, anyway. What is funny is that the guy asked how his signal was after getting a signal report (perhaps this was the point of the original posting).

"QSL" really means "acknowledge" I believe. That's why it is used much like the CB tern 10-4 at times. So N3xxx's QSL really meant that he had received and was acknowledging KH6xxx's transmission. I suppose he should have asked "QSL?" if he wanted a card, too. Which would properly have been followed by a "QSL" from KH6xxx.

Lyle D. Gunderson N6KSZ CIS: 73760,2354 GEnie: L.GUNDERSON
zebolskyd@acoust.byu.edu "Any technology without some attendant risk
350 CB / BYU / Provo, UT 84602 of misuse is probably trivial" --Loise Kohl

Date: 20 Dec 89 00:05:00 GMT
From: ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil@iuvox.cs.indiana.edu
Subject: new mailing list: HAM-UNIV
Message-ID: <30500331@ux1.cso.uiuc.edu>

HAM-UNIV (Ham Radio Clubs in Universities and Colleges)
via LISTSERV@UIUCVMD (vmd.cso.uiuc.edu)

IMPORTANT	This is an automated mailing list run by the LISTSERV
NOTICE	software. Be sure you send your subscription requests
	to the program itself (which is LISTSERV@UIUCVMD or
READ	LISTSERV@VMD.CSO.UIUC.EDU). Don't send your requests
THIS	to the mailing list, since that will just send a copy
FIRST	to all the other subscribers, and you will be starting
	out looking like a fool.

This mailing list is an exchange of information between and/or about
College and University based Amateur Radio Clubs. Duplication of
material from other ham radio mailing lists or news groups should not
be made unless it is of special interest to this category of clubs.

Anyone who is interested in College and University Ham Radio Clubs may
subscribe and participate. It is not necessary to be a student or a
member of a club, or even a ham radio operator. I do ask if you have
the information, to supply it with your subscription request so that
others can be more informed. I'd like to know your call sign and club
affiliation (and office if you are an officer).

To subscribe:
Send the command:

SUB HAM-UNIV firstname lastname callsign - clubname

to the list server by either BITNET interactive message or
by electronic mail. Put the command where the message text
is supposed to go.

To unsubscribe:

Send the command:

UNSUB HAM-UNIV

to the same list server the same way.

If you are on UUCP and the address `listserv@vmd.cso.uiuc.edu` fails,
bug your sysadmin about fixing your system, and in the mean time try
the following:

`uiucuxc!vmd!listserv`

List owner and contact person:

Phil Howard, KA9WGN

Internet: `phil@vmd.cso.uiuc.edu`

Bitnet: `phil@uiucvmd`

IMPORTANT This is an automated mailing list run by the LISTSERV
NOTICE software. Be sure you send your subscription requests
 to the program itself (which is LISTSERV@UIUCVMD or
READ LISTSERV@VMD.CSO.UIUC.EDU). Don't send your requests
THIS to the mailing list, since that will just send a copy
AGAIN to all the other subscribers, and you will be starting
 out looking like a fool.

Date: 19 Dec 89 21:27:02 GMT

From: `hpl-opus!hpnmdla!alanb@hplabs.hp.com` (Alan Bloom)

Subject: pudgy wound helical antenna (60m vertical in my living room!)

Message-ID: `<1250101@hpnmdla.HP.COM>`

John Moore's comment that effective antenna aperture is not related to
physical size for small antennas is right on. Gain and aperture are
really just different ways to measure the same thing -- In fact there is
an equation to relate the two: $\text{Aperture} = (\text{gain over isotropic}) / 4(\text{Pi})$
(I think, I don't have a reference book handy).

For example, a dipole (gain = 1.64) has an aperture of about 1/8 square
wavelengths. I think of a dipole aperture as being 1/2 wavelength long

(the length of the wire) and 1/4 wavelength thick. If you could make a 100% efficient, physically-small antenna with the same gain, it would have the same capture area.

The problem, of course, is that this is very difficult (impossible) to do. Radiation resistance is proportional to the square of the length (or 4th root of the length for loops!). A .1 wave vertical is around .5 ohm or so if I remember correctly, so even a tenth ohm of loss resistance gives you only 80% efficiency.

Al N1AL

Date: 19 Dec 89 23:44:59 GMT
From: kchen@apple.com (Kok Chen)
Subject: rec.radio.shortwave "invite"
Message-ID: <37414@apple.Apple.COM>

wilson@ccop1.ocpt.ccur.com (<wilson>) writes:

>Can anybody explain what a "dweeb" is? It's not listed in my
>American Heritage Dictionary of the English Language.
>Although I can infer a definition from the context in
>which it's used, I prefer to have a precise definition.

The Oxford American Dictionary does not list it either...

BUT!!!! The Oxford American lists DX (I was looking for dweeb :-) as:

DX (dee-eks) n. (slang) distance, especially
in shortwave radio reception. DXer,
(slang) a long-distance radio hobbyist.
DXing, (slang) the hobby of long-distance
radio transmission and reception.

How about that.

Kok Chen kchen@apple.COM
Apple Computer, Inc.

Date: 19 Dec 89 19:49:26 GMT
From: cs.utexas.edu!milano!lad-shrike!ut-emx!trey@tut.cis.ohio-state.edu (Trey Garlough)
Subject: RST

Message-ID: <22541@ut-emx.UUCP>

In article <2563@wyse.wyse.com>, stevew@wyse.wyse.com (Steve Wilson xtemp dept303) writes:

> In article <3169@cpoint.UUCP> wolff@cpoint.UUCP (Ken Wolff) writes:
> >I give the guy two QSO's to sign, then I either scream WHAT'S YOUR CALL or
> >work him and scream WHAT'S YOUR CALL. I think everyone should do this to
> >train the DX end to sign more often. BTW, we sign our call after every QSO
> >in operations at my house.
>
> Just a quick point about IDing. The 10 minute/end of every contact rule
> is an FCC rule. This means it applies to us, not the DX stations. They
> may have similar rules(I don't really know) Your comments are certainly
> appropriate for US stations but don't necessarily apply to other countries.

I feel that Ken's point has been missed. Irrespective of the legal ramifications, it is considered poor operating practice to do otherwise during a contest. If the guy has a particularly impressive pileup, it's probably ok for him to save a little time by announcing his callsign after every other contact, hence Ken's "two QSO's to sign" rule.

Ken, how about some suggestions for training people to avoid other poor operating practices, such as not giving the whole callsign when answering a CQ?

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End of INFO-HAMS Digest V89 Issue #1044
